

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|------------------|
| L8 | 7 | (("3367142") or ("7048972") or ("0699076") or ("3813899")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/23 09:57 |
| L9 | 5 | (("3367142") or ("7048972") or ("3813899")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/23 09:57 |
| L10 | 5 | (("3367142") or ("7048972") or ("31813899") or ("3813899") or ("7048972")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/23 09:59 |
| L11 | 5 | (("3367142") or ("7048972") or ("31813899") or ("3813899") or ("7048972") or ("3367142")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/23 09:59 |
| L12 | 969 | (29/557).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/23 10:25 |
| L13 | 199 | 12 and groove | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/23 10:25 |
| L15 | 1 | 12 and profile adj mandrel | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/23 10:45 |
| L16 | 61 | 12 and mandrel | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/23 10:45 |
| L17 | 13 | 16 and roller | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/23 10:45 |

EAST Search History

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|----|--------|--|--|----|-----|------------------|
| S1 | 195375 | hub same shaft | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 16:37 |
| S2 | 17848 | hub same grooves same shaft | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/12 17:19 |
| S3 | 17848 | hub same grooves same shaft same grooves | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/12 17:19 |
| S4 | 1471 | hub same grooves same shaft same grooves same ribs | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/12 17:22 |
| S5 | 7223 | spline same grooves | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/12 17:23 |
| S6 | 13 | ("3367142" "3579684" "3673883" "3999445" "4594294" "4610577" "4656051" "5096352" "5176755" "5288556" "5852951").PN. OR ("7048972").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/12 17:54 |
| S7 | 13 | ("3367142" "3579684" "3673883" "3999445" "4594294" "4610577" "4656051" "5096352" "5176755" "5288556" "5852951").PN. OR ("7048972").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/18 13:26 |
| S8 | 183 | (403/359.1).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/18 13:34 |

EAST Search History

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|-----|------|--|--|----|-----|------------------|
| S9 | 44 | ("1541007" "1779805" "2015430" "2510362" "2715846" "3063266" "3293884" "3405982" "3638455" "3813899" "4003219" "4125000" "4523872" "4552544" "4622022" "4819755" "4945745" "5230658" "5309620" "5360377" "5515955" "5645366" "5655968" "5660494" "5664655" "5697850" "5716276" "5771737" "5772520" "5827122" "5919094" "5951402" "6015350" "6033310" "6193612" "6279221").PN. OR ("6705949").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/18 13:37 |
| S10 | 18 | ("1645342" "2397905" "3295871" "3388934" "3415153" "4067658" "4667530" "5460574").PN. OR ("5645366").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/18 13:38 |
| S11 | 23 | ("1973702" "2116290" "3123990" "3234758" "3242695" "3577746").PN. OR ("3813899").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/18 13:59 |
| S12 | 1 | steinrisser same niculo | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/18 14:00 |
| S13 | 1952 | "446"/\$.ccls. and hub | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:11 |
| S14 | 5636 | "464"/\$.ccls. and hub | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:11 |
| S15 | 4585 | "464"/\$.ccls. and hub same shaft | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:11 |

EAST Search History

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|-----|------|---|--|----|-----|------------------|
| S16 | 816 | "464"/\$.ccls. and hub same shaft same groove | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:11 |
| S17 | 1180 | "464"/\$.ccls. and hub same shaft same groove\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:12 |
| S18 | 97 | "464"/\$.ccls. and hub same shaft same groove\$1 same Rib\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:21 |
| S19 | 1417 | ((464/162) or (464/182)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/22 16:42 |
| S20 | 210 | S19 and hub and shaft | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:55 |
| S21 | 0 | S20 and root and head | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:55 |
| S22 | 194 | method same groove adj profile | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 16:39 |

EAST Search History

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|-----|-------|--------------------------------|--|----|-----|------------------|
| S23 | 29 | S22 and shaft | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 16:39 |
| S24 | 2 | S22 and shaft same hub | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 16:40 |
| S25 | 2 | S22 and spline | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 16:40 |
| S26 | 1417 | ((464/162) or (464/182)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/22 16:42 |
| S27 | 205 | S26 and method | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 17:16 |
| S28 | 2 | ("3367142").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/22 17:17 |
| S29 | 2871 | groove same trapezoid | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 17:20 |
| S30 | 10871 | groove same trapezoid\$2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 17:21 |

EAST Search History

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| S31 | 43 | groove adj profile same trapezoid\$2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 17:21 |
|-----|----|--------------------------------------|--|----|-----|------------------|

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| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
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| L8 | 7 | (("3367142") or ("7048972") or ("0699076") or ("3813899")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/23 09:57 |
| L9 | 5 | (("3367142") or ("7048972") or ("3813899")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/23 09:57 |
| L10 | 5 | (("3367142") or ("7048972") or ("31813899") or ("3813899") or ("7048972")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/23 09:59 |
| L11 | 5 | (("3367142") or ("7048972") or ("31813899") or ("3813899") or ("7048972") or ("3367142")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/23 09:59 |
| L12 | 969 | (29/557).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/23 10:25 |
| L13 | 199 | 12 and groove | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/23 10:25 |
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| L16 | 61 | 12 and mandrel | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/23 10:45 |
| L17 | 13 | 16 and roller | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/23 10:45 |

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| S1 | 195375 | hub same shaft | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 16:37 |
| S2 | 17848 | hub same grooves same shaft | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/12 17:19 |
| S3 | 17848 | hub same grooves same shaft same grooves | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/12 17:19 |
| S4 | 1471 | hub same grooves same shaft same grooves same ribs | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/12 17:22 |
| S5 | 7223 | spline same grooves | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/12 17:23 |
| S6 | 13 | ("3367142" "3579684" "3673883" "3999445" "4594294" "4610577" "4656051" "5096352" "5176755" "5288556" "5852951").PN. OR ("7048972").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/12 17:54 |
| S7 | 13 | ("3367142" "3579684" "3673883" "3999445" "4594294" "4610577" "4656051" "5096352" "5176755" "5288556" "5852951").PN. OR ("7048972").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/18 13:26 |
| S8 | 183 | (403/359.1).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/18 13:34 |

EAST Search History

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|-----|------|---|--|----|-----|------------------|
| S9 | 44 | ("1541007" "1779805" "2015430" "2510362" "2715846" "3063266" "3293884" "3405982" "3638455" "3813899" "4003219" "4125000" "4523872" "4552544" "4622022" "4819755" "4945745" "5230658" "5309620" "5360377" "5515955" "5645366" "5655968" "5660494" "5664655" "5697850" "5716276" "5771737" "5772520" "5827122" "5919094" "5951402" "6015350" "6033310" "6193612" "6279221").PN. OR ("6705949"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/18 13:37 |
| S10 | 18 | ("1645342" "2397905" "3295871" "3388934" "3415153" "4067658" "4667530" "5460574").PN. OR ("5645366"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/18 13:38 |
| S11 | 23 | ("1973702" "2116290" "3123990" "3234758" "3242695" "3577746").PN. OR ("3813899"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/18 13:59 |
| S12 | 1 | steinrisser same niculo | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/18 14:00 |
| S13 | 1952 | "446"/\$.ccls. and hub | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:11 |
| S14 | 5636 | "464"/\$.ccls. and hub | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:11 |
| S15 | 4585 | "464"/\$.ccls. and hub same shaft | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:11 |

EAST Search History

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|-----|------|---|--|----|-----|------------------|
| S16 | 816 | "464"/\$.ccls. and hub same shaft same groove | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:11 |
| S17 | 1180 | "464"/\$.ccls. and hub same shaft same groove\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:12 |
| S18 | 97 | "464"/\$.ccls. and hub same shaft same groove\$1 same Rib\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:21 |
| S19 | 1417 | ((464/162) or (464/182)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/22 16:42 |
| S20 | 210 | S19 and hub and shaft | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:55 |
| S21 | 0 | S20 and root and head | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/18 14:55 |
| S22 | 194 | method same groove adj profile | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 16:39 |

EAST Search History

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|-----|-------|--------------------------------|--|----|-----|------------------|
| S23 | 29 | S22 and shaft | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 16:39 |
| S24 | 2 | S22 and shaft same hub | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 16:40 |
| S25 | 2 | S22 and spline | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 16:40 |
| S26 | 1417 | ((464/162) or (464/182)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/22 16:42 |
| S27 | 205 | S26 and method | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 17:16 |
| S28 | 2 | ("3367142").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2007/10/22 17:17 |
| S29 | 2871 | groove same trapezoid | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 17:20 |
| S30 | 10871 | groove same trapezoid\$2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 17:21 |

EAST Search History

| | | | | | | |
|-----|----|--------------------------------------|--|----|-----|------------------|
| S31 | 43 | groove adj profile same trapezoid\$2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/22 17:21 |
|-----|----|--------------------------------------|--|----|-----|------------------|